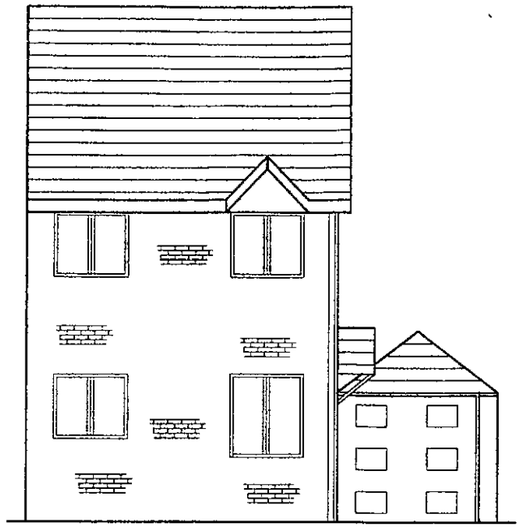
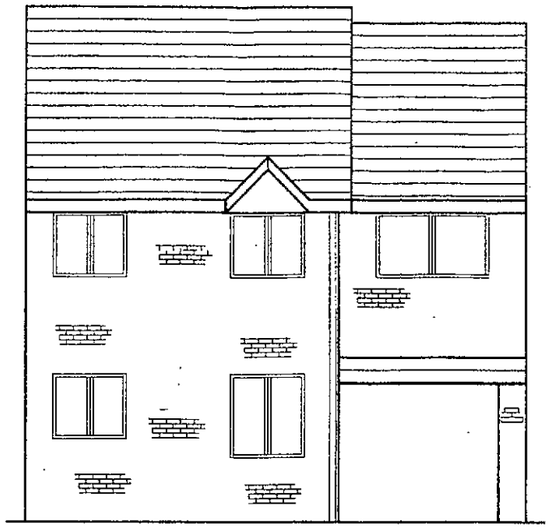
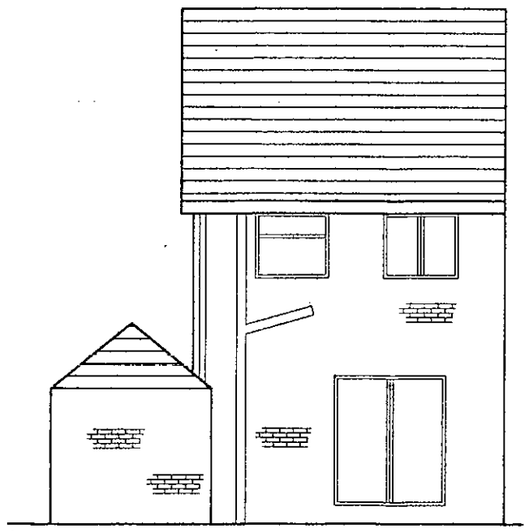
EXISTING FRONT ELEVATION
SCALE 1:100



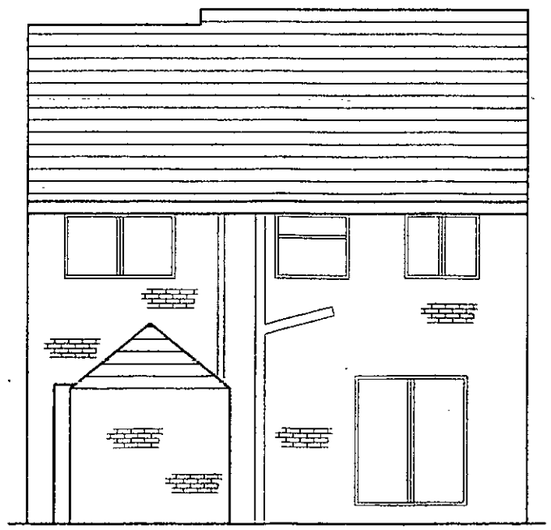
PROPOSED FRONT ELEVATION
SCALE 1:100



EXISTING REAR ELEVATION
SCALE 1:100



PROPOSED REAR ELEVATION
SCALE 1:100



New gutters to extend into existing down pipes

CONSTRUCTION NOTES

FOUNDATIONS

Foundations to be taken to firm bearing strata to satisfaction of Building Control Surveyor. Min depth in typical clay strata to be 900mm and 600mm width for 300mm cavity wall construction. Any drains passing through trench to be lintelled over.

EXTENSION WALLS BELOW GROUND

Construct out of 300mm thick thermalite trenchblock - 7N/mm block

CAVITY WALLS ABOVE GROUND

Facing brick to match existing.100mm cavity with either Rockwool/Dritherm insulation or Kingspan TW50 55mm insulation fixed to inner block leaf using retaining clips all fixed as manufacturers instructions. Inner skin to be 100mm 7N/mm blocks finished with 12.5 plasterboard on dabs and skim finish. Wall ties to be set at 750mm centres horizontally and 450mm vertically and at each block course withing 225mm of all openings. Use insulated cavity closer such as Thermabate or similar. Tie into existing masonry at abutments using Bluebird/Catnic or similar starter tie system.

- Wall to have a min U Value of 0.28 W/m2K
- Walls to car port are not required to be insulated

DPC

Damp proof course (dpc) to be set at min of 150mm from external gound level and to be continuous with damp proof membane when using solid floor construction.

GROUND FLOOR

Solid floor construction to comprise layer of well consolidated clean inert hardcore, layer of sand blinding, 1200 gauge Damp proof membrane (dpm) under. 150mm min concrete slab finish

PLANNING/BUILDING REGULATIONS

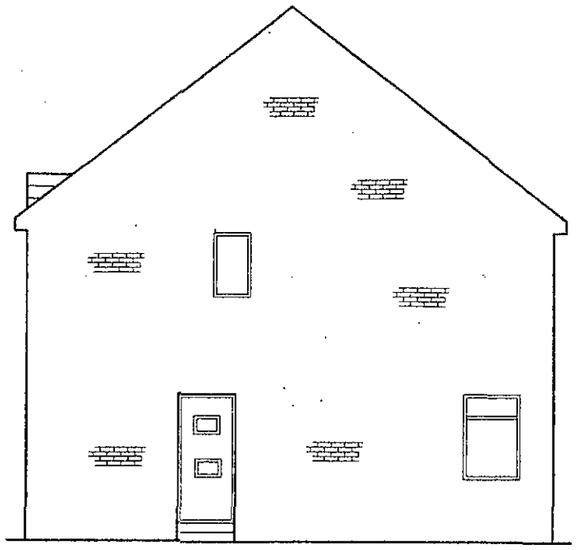
30 BELLE GREEN CLOSE
CUDWORTH
BARNSLEY
S72 8SN

PROPOSAL : SIDE EXTENSION TO FORM CAR PORT AND EN-SUITE BEDROOM

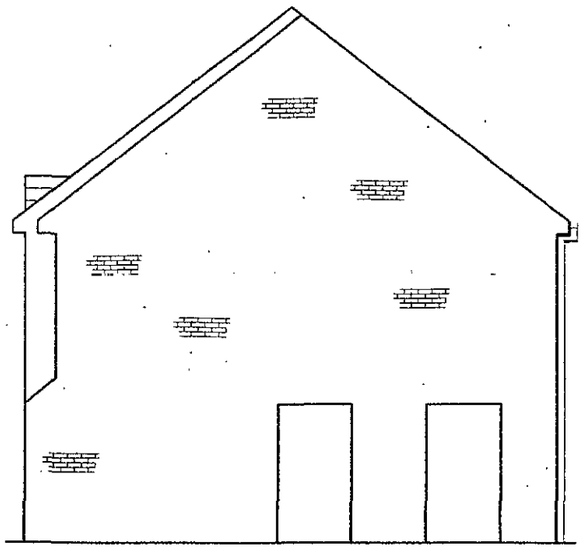
FRONT/REAR ELEVATIONS
SCALE 1:100

DRAWING 1

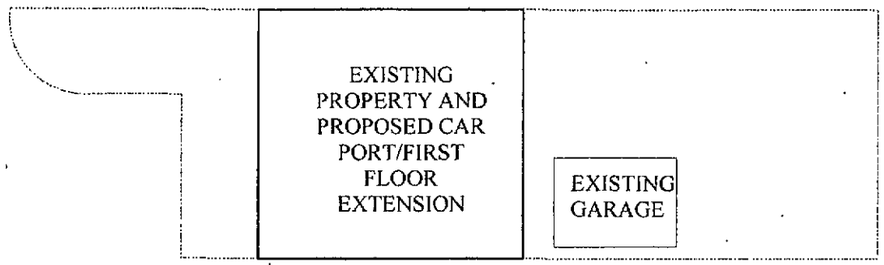
EXISTING SIDE ELEVATION
SCALE 1:100



PROPOSED SIDE ELEVATION
SCALE 1:100



PROPOSED SITE PLAN
SCALE 1:200



CONSTRUCTION NOTES

FIRST FLOOR

Floor to comprise145mm x47mm C24 structural grade floor joists at 400mm centres with 22mm Weyroc P5 flooring grade chipboard screwed and fixed to new joists. Any joist spanning between 2.5m and 4.5 to have one row of timber strutting at mid span. Any span over 4.5m to have strutting at 1/3 spans. Build into exisitng and new walls or fixed via galvanised steel joist hangers fixed to timber bearer bolted to walls at 1.0m centres. Provide 125mm Kingspan Thermafloor TF70 between joists for thermal requirements.Where joists run paralell to wall provide restraint using galvanised mild steel 30x5mm straps carried over a min of 3 joists and fixed to inner skin of cavity wall.

ROOF

Roof to comprise 150mm x47mm C24 structural grade rafters at 400mm centres skew nailed or fixed using truss clips to 100x50 softwood wall plate bedded on mortar and fixed to inner face using 30x5 galvanised mild steel straps at 1.2m centres. Provide timber purlin to engineers detail at mid span. Ceiling joists to be 145mmx 47mm at 400 centres with plasterboard and skim finish under. Roof to be insulated using 100mm Rockwool quilt between joists with 180mm cross laid over. Use breathable felt laid in accordance with manufacturers instructions. Roof tiles to be to match existing and suitable for pitch formed on site.

LEAN TO ROOF

To be 100x50 Rafters C24 structural grade fixed to soft wood wall plate and fixed to timber bearer. Tiles to match existing

ELECTRICAL SAFETY

All domestic and other relevant electrical work required to meet the provisisons of the Building Regulations Part P (Electrical Safety) to be designed, installed, inspected and tested by a competent electrician who is registered with a ODPM recognised competent person self certiifcation scheme. Upon completion of the works the council shall provided with a copy of an appropriate BS7651 Electrical Installation Certification issued by a person competent to do so.

PLANNING/BUILDING REGULATIONS

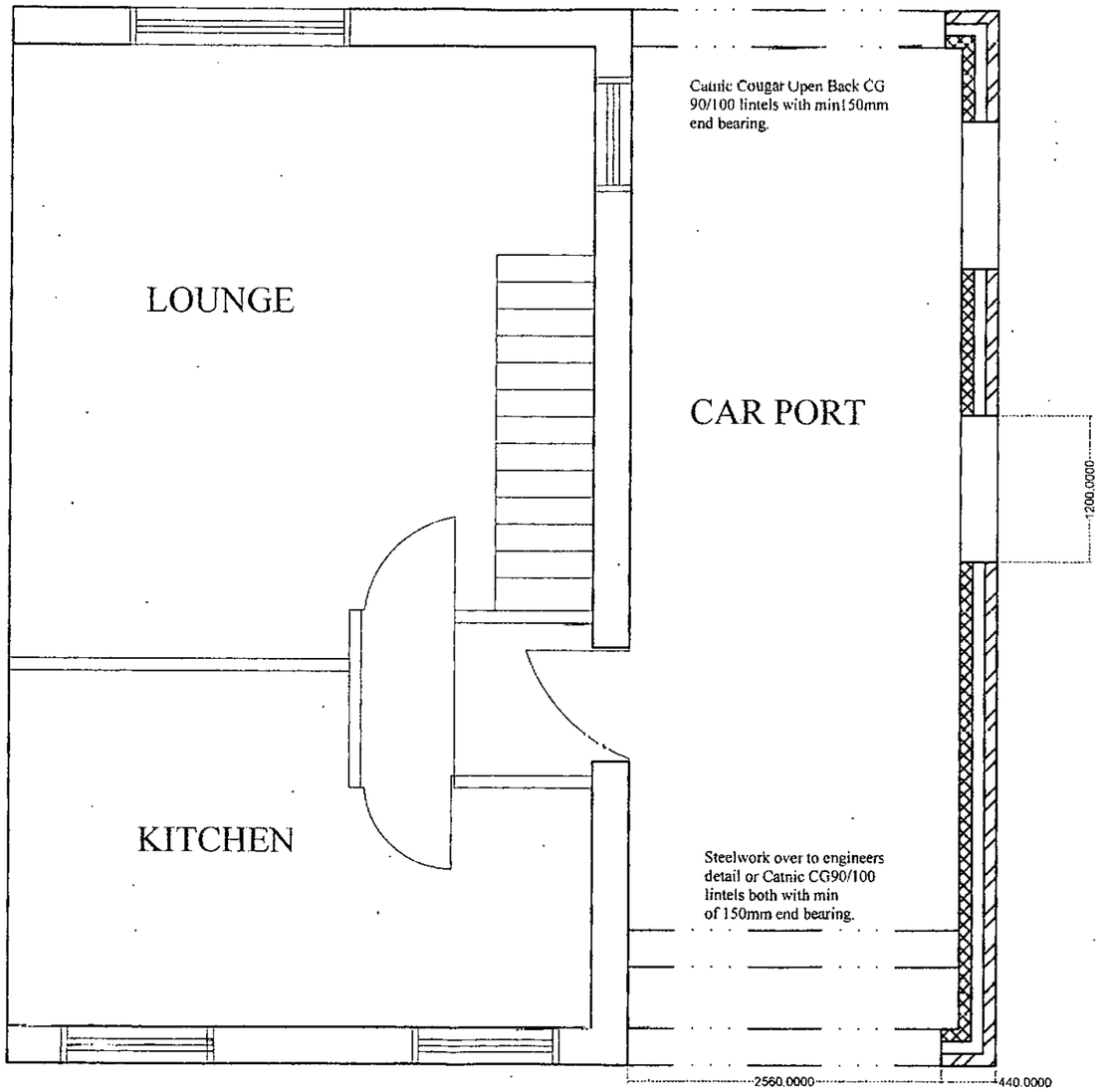
30 BELLE GREEN CLOSE
CUDWORTH
BARNSLEY
S72 8SN

PROPOSAL : SIDE EXTENSION TO FORM CAR PORT AND EN-SUITE BEDROOM

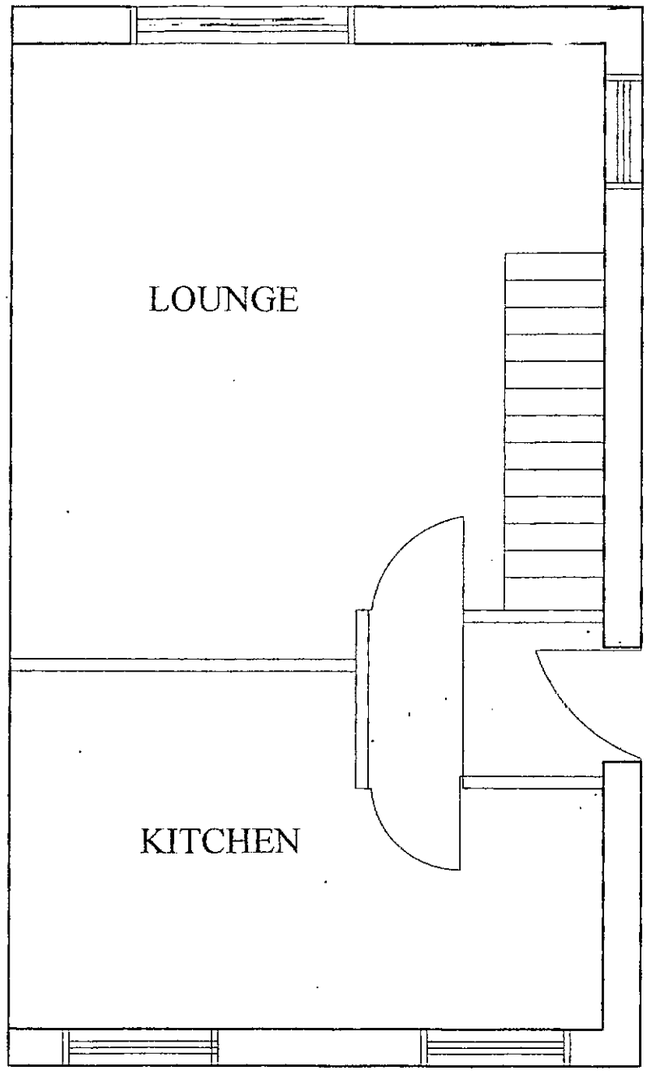
SIDE AND SITE PLAN
SCALE 1:100/1:200

DRAWING 2

PROPOSED GROUND FLOOR
SCALE 1:100



EXISTING GROUND FLOOR
SCALE 1:100



CONSTRUCTION NOTES

FIRE SAFETY - AD - B

Windows first floor to be escape type to comply with Approved Document Part B - Windows to have a clear opening area of 0.33m2 and be typically 450mm wide x 750mm high. Max height of window to be 1.1m from internal finished floor level. Windows/Doors to habitable rooms to provide a min of 8000mm2 tricke ventilation and provide rapid ventilation equal to 5% of floor area.

Mains interlinked hard wired detectors with battery back up positoned in areas marked SD. The alarm should be sited so that

- Alarm to be within 7.5m of the door to all habitable rooms
- Ceiling mounted and a min of 300mm from walls and light fittings

LINTELS

Enlarge exsisting opening at landing to top of staircase using 2No Naylor R6 Reinforced lintels with a min of 150mm end bearing.

Lintels at ground floor to support new walls at first floor to be Catnic Cougar Open Back GG 90/100 with a min of 150 end bearing.

HEATING SYSTEM

Existing heating system/boiler to be assessed for suitabilty for increased heat and water demand. All work to be undertaken by a Gas Safe registered contractor. All new radiators to be fitted with Thermostatic Radiator Valves (TRVs)

FOUL DRAINAGE

All new drainage from proposed en-suite to be connected into existing ventilated soil and vent pipe at rear elevation.

RAINWATER/GUTTERS

New gutters to run into existing down pipes at front and rear elevations

PLANNING/BUILDING REGULATIONS

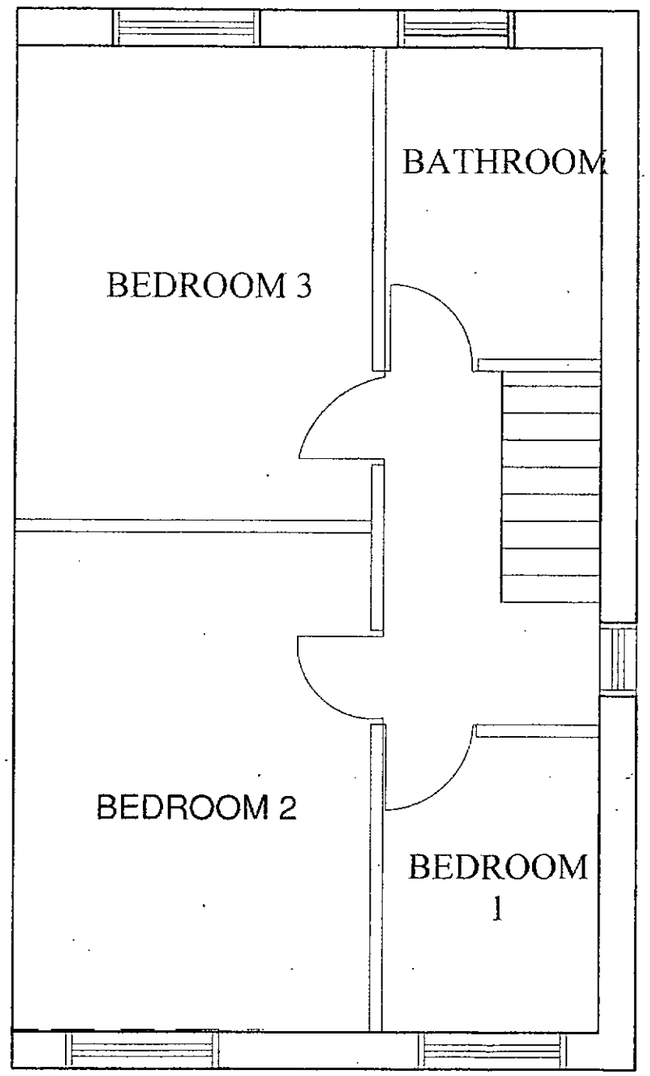
30 BELLE GREEN CLOSE, CUDWORTH, BARNSLEY, SOUTH YORKS S72 8SN

PROPOSAL : FIRST FLOOR SIDE EXTENSION

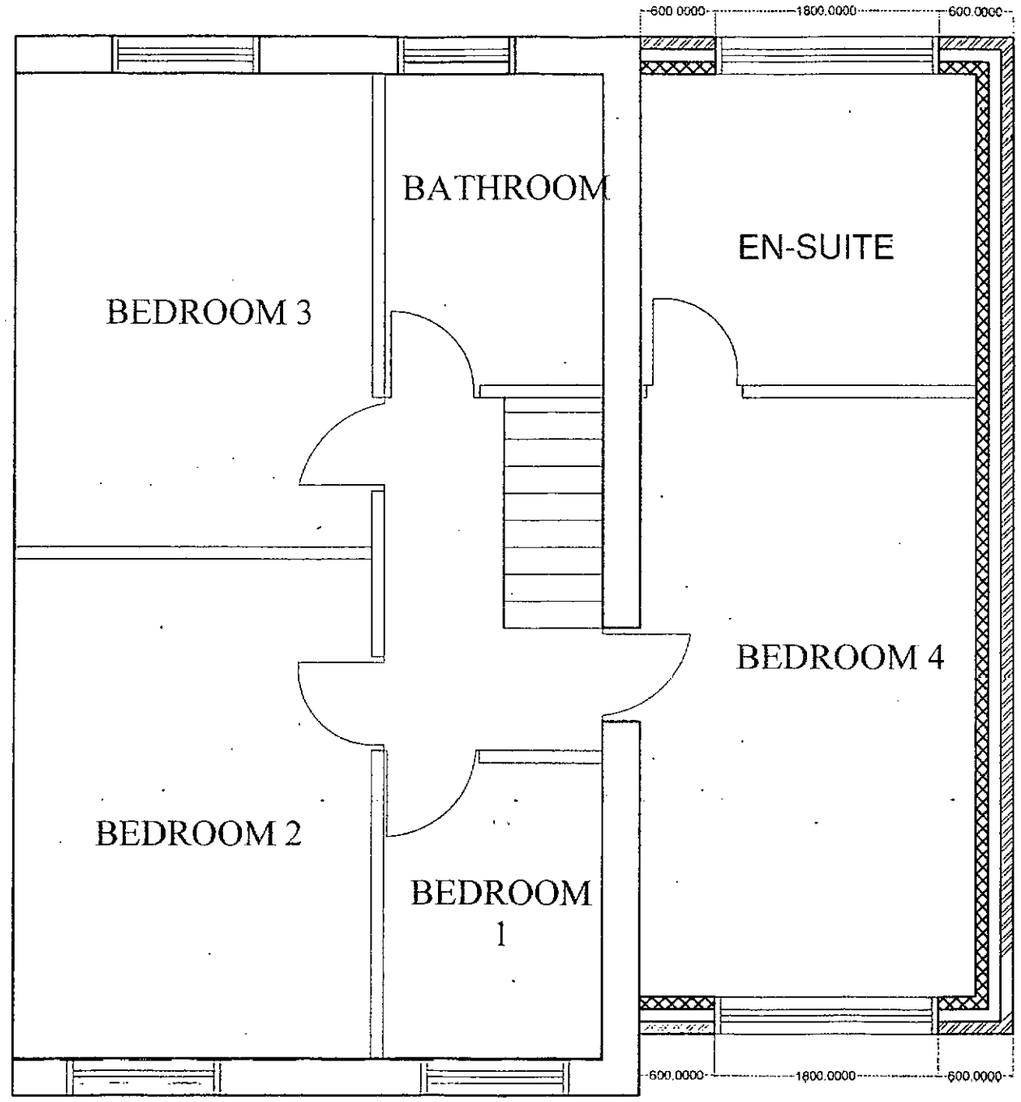
GROUND FLOOR

SCALE 1:50 - DRAWING 3

EXISTING FIRST FLOOR
SCALE 1:100



PROPOSED FIRST FLOOR
SCALE 1:100



CONSTRUCTION NOTES

ELECTRICAL SAFETY

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INTERNAL WALLS

All non structural walls to be 100x50mm C16 softwood timber framing at 400mm centres. Fill between studs with 100mm Rockwool sound insulation quilt with a min density of 10kg/m3. 12.5mm plasterboard and skim to outer faces. Floor joists to be doubled up underneath new walls.

WINDOWS AND DOORS

- Windows, Rooflight or Roof window, Glazed doors to have min U value of 1.6 W/m2k WER Band C or better.
- All solid doors and doors with less than 50% glazing to have a min U value of 1.8 W/m2K

Windows first floor to be escape type to comply with Approved Document Part B - Windows to have a clear opening area of 0.33m2 and be typically 450mm wide x 750mm high. Max height of window to be 1.1m from internal finished floor level. Windows/Doors to habitable rooms to provide a min of 8000mm2 tricke ventilation and provide rapid ventilation equal to 5% of floor area.

MECHANICAL VENTILATION

- Utility - 30 litres/second
- Shower/Bathroom - 15 litres/second
- Kitchen - 30 litres/second adjacent to hob

60 litres/second elsewhere

PLANNING /BUILDING REGULATIONS

30 BELLE GREEN CLOSE, CUDWORTH, BARNSLEY, SOUTH YORKS, S72 8SN

PROPOSAL : FIRST FLOOR SIDE EXTENSION

EXISTING/PROPOSEDFIRST FLOOR

SCALE 1:50 - DRAWING 4